

## LEILA-Y-SS

~14° smooth spot beam. 14.8 mm high assembly with holder, installation tape and pins.

### SPECIFICATION:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

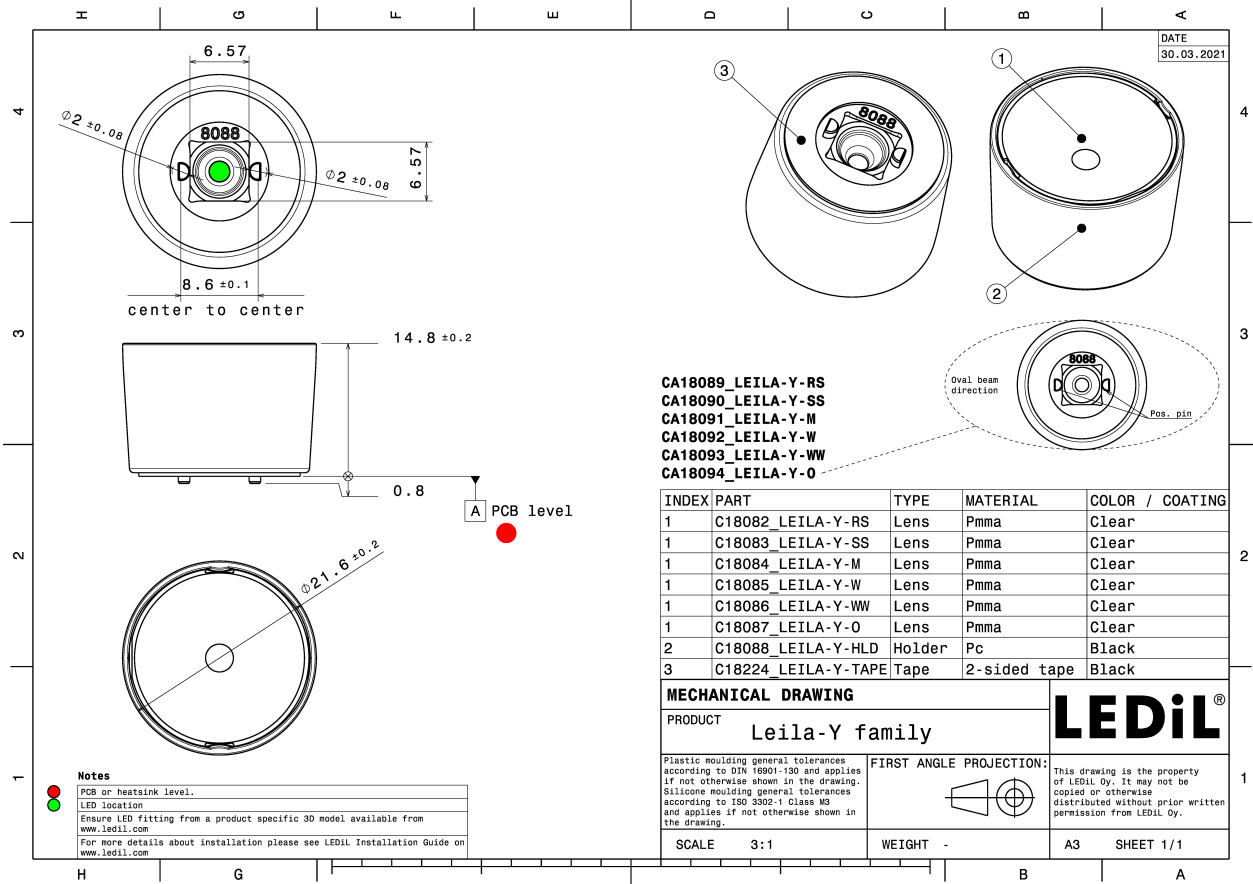


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
LEILA-Y-SS	Single lens	PMMA	clear	gloss	20.0
LEILA-Y-HLD	Holder	PC	black	gloss	21.6
LEILA-Y-TAPE	Tape	Acrylic foam			18.0

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18090_LEILA-Y-SS » Box size: 476 x 273 x 197 mm	1800	180	180	7.2

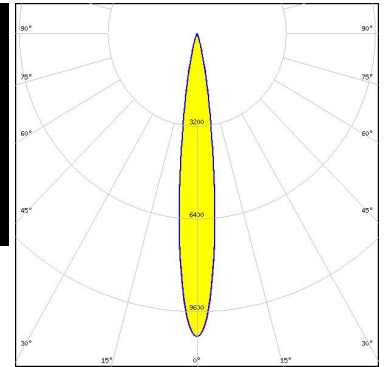


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



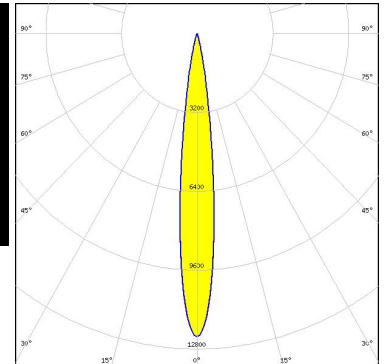
**LED** XHP35 HI  
**FWHM / FWTM** 14.0° / 27.0°  
**Efficiency** 83 %  
**Peak intensity** 10.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



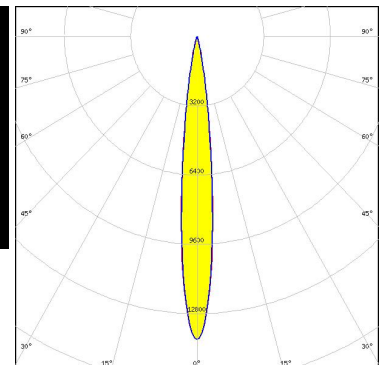
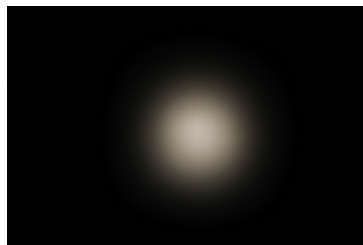
**LED** XP-G4  
**FWHM / FWTM** 13.0° / 25.0°  
**Efficiency** 85 %  
**Peak intensity** 12.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSW719AC  
**FWHM / FWTM** 12.0° / 24.0°  
**Efficiency** 85 %  
**Peak intensity** 14 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

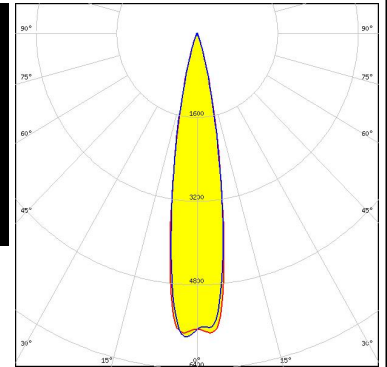


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

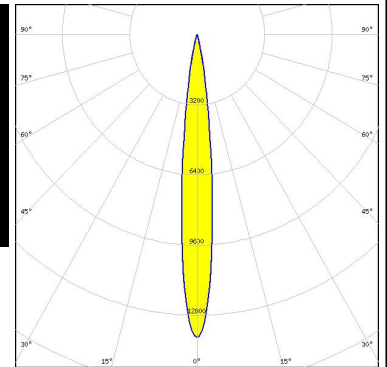
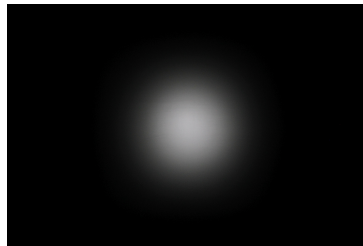
LED OSLON Pure 1414  
 FWHM / FWTM 19.0° / 33.0°  
 Efficiency 80 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 84 %  
 Peak intensity 13.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

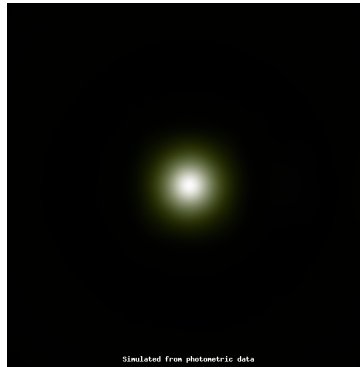


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



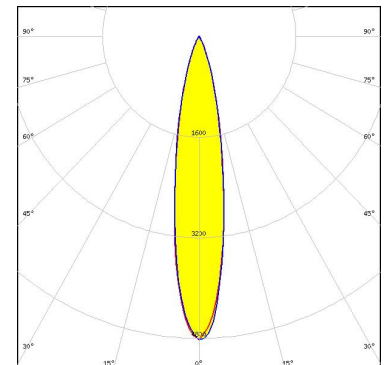
LED J Series 3030C  
FWHM / FWTM 13.0 + 14.0° / 27.0 + 28.0°  
Efficiency 87 %  
Peak intensity 11.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



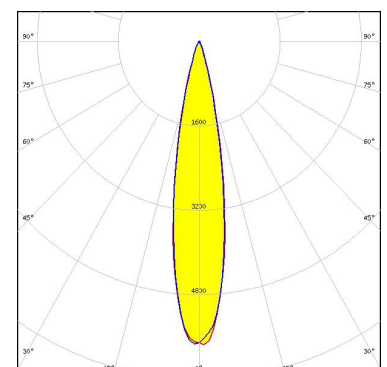
LED J Series 5050 Round LES  
FWHM / FWTM 19.0° / 42.0°  
Efficiency 82 %  
Peak intensity 4.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP35 HD  
FWHM / FWTM 20.0° / 36.0°  
Efficiency 83 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

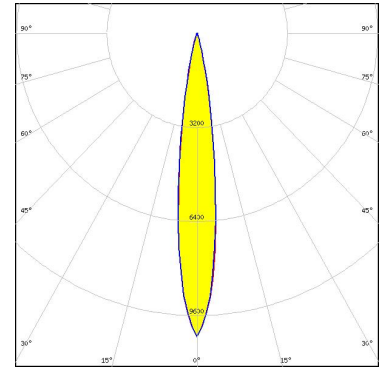


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



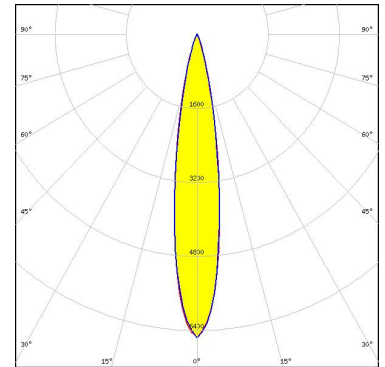
LED XHP35 HI  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



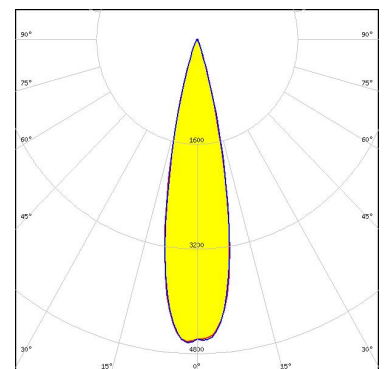
Light distribution files



LED XHP35.2 HI  
FWHM / FWTM 18.0° / 34.0°  
Efficiency 83 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED XM-L RGBW (XMLDCL HD)  
FWHM / FWTM 24.0° / 38.0°  
Efficiency 83 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type RGBW  
Required components:

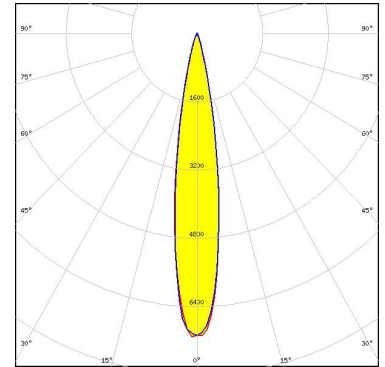


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



LED XM-L3  
FWHM / FWTM 17.0° / 31.0°  
Efficiency 80 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



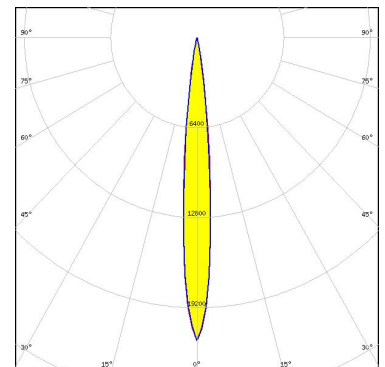
Light distribution files



LED XP-E  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 90 %  
Peak intensity 20.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED XP-E2  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 91 %  
Peak intensity 21 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

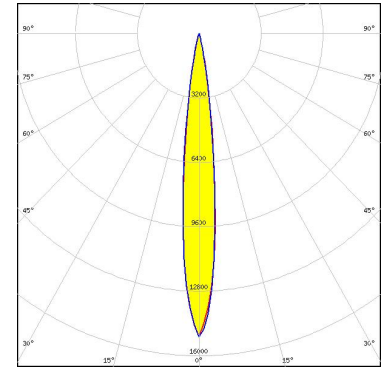


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



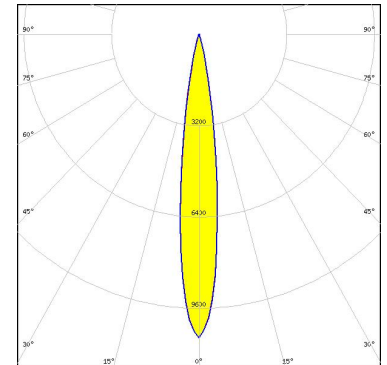
LED XP-G2  
FWHM / FWTM 13.0° / 24.0°  
Efficiency 90 %  
Peak intensity 15 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



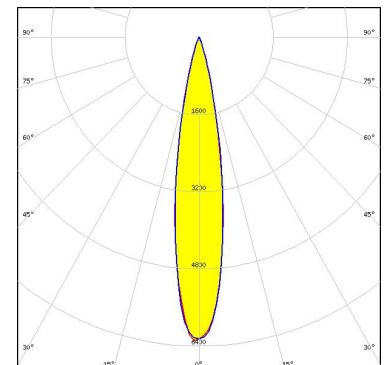
LED XP-G3  
FWHM / FWTM 14.0° / 27.0°  
Efficiency 84 %  
Peak intensity 10 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L2  
FWHM / FWTM 18.0° / 34.0°  
Efficiency 81 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



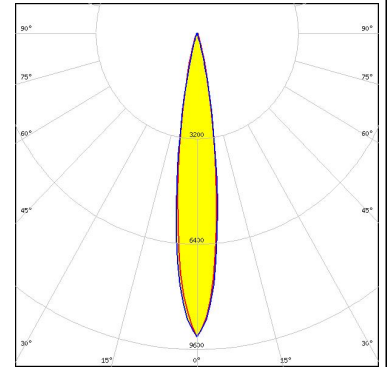
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



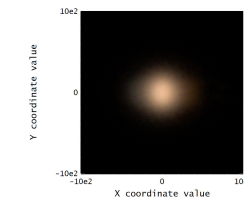
LED XQ-E HD  
 FWHM / FWTM 15.0 + 16.0° / 30.0 + 28.0°  
 Efficiency 86 %  
 Peak intensity 9.2 cd/lm  
 LEDs/each optic 2  
 Light colour/type White  
 Required components:



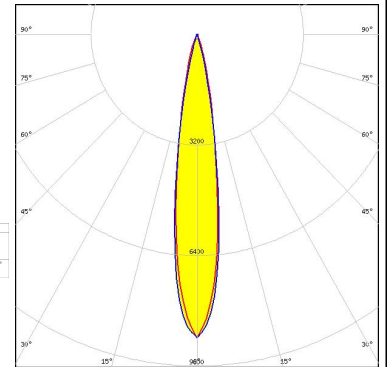
Light distribution files



LED XQ-E HI  
 FWHM / FWTM 16.0° / 33.0 + 30.0°  
 Efficiency 87 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 2  
 Light colour/type White  
 Required components:



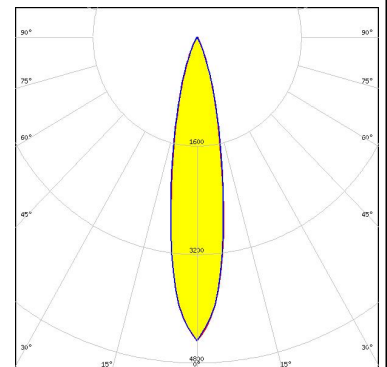
Detector Image: 11 Illuminance  
 01-2-2024  
 Zemax OptiX  
 Total Power: 1.8176e-02 Watts



Light distribution files



LED LUXEON 5050 Round LES  
 FWHM / FWTM 20.0° / 42.0°  
 Efficiency 82 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

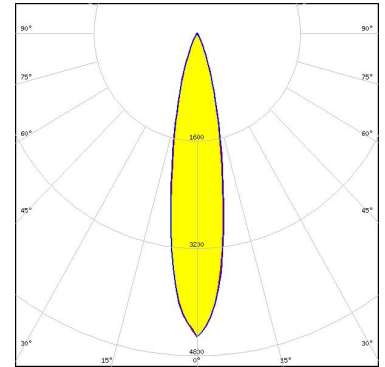


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



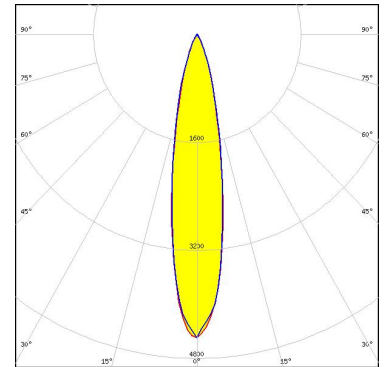
LED LUXEON 5050 Round LES  
FWHM / FWTM 20.0° / 43.0°  
Efficiency 82 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



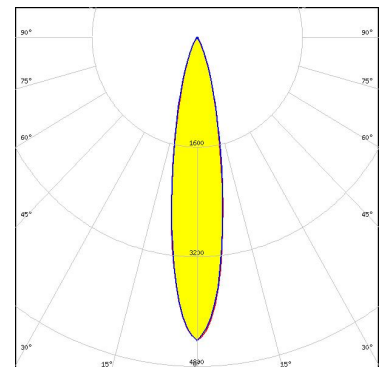
LED LUXEON 5050 Square LES  
FWHM / FWTM 20.0° / 43.0°  
Efficiency 81 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Square LES  
FWHM / FWTM 20.0° / 44.0°  
Efficiency 81 %  
Peak intensity 4.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

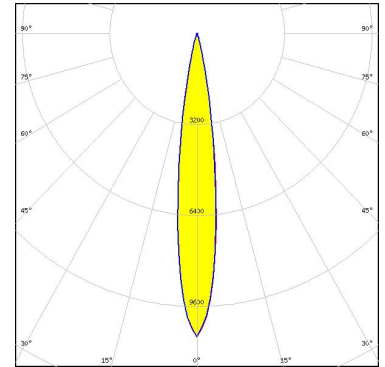


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



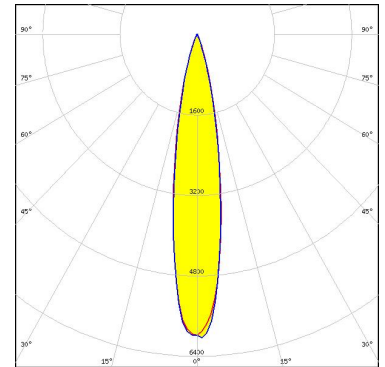
LED LUXEON HL2X  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



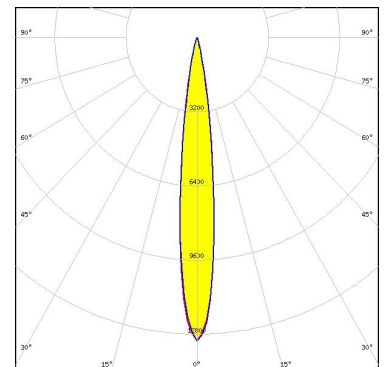
LED LUXEON MZ  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 84 %  
Peak intensity 6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

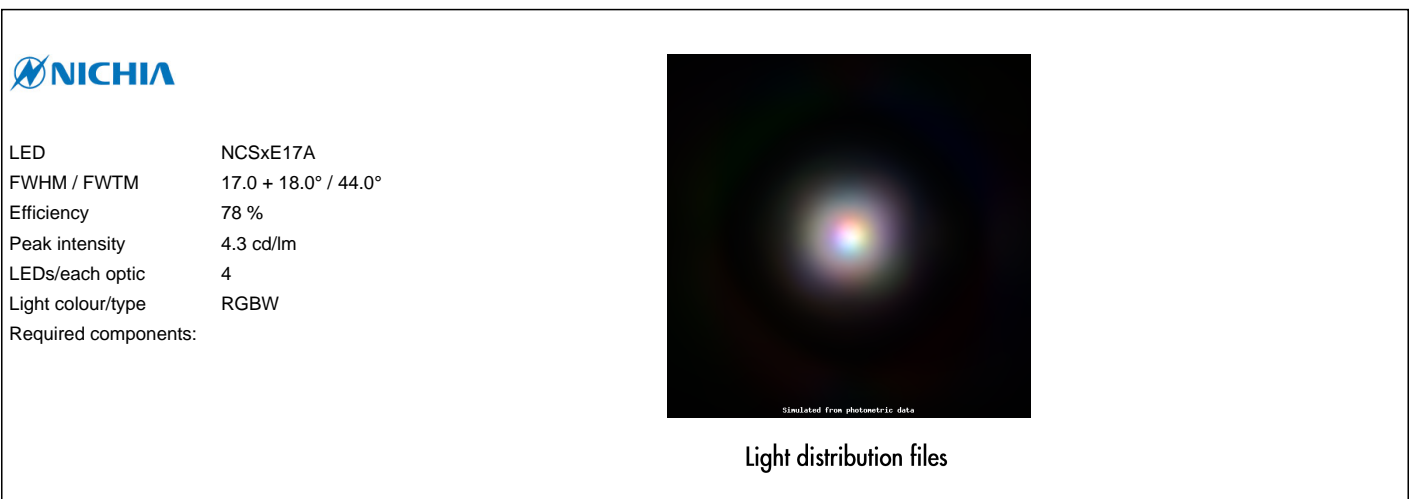
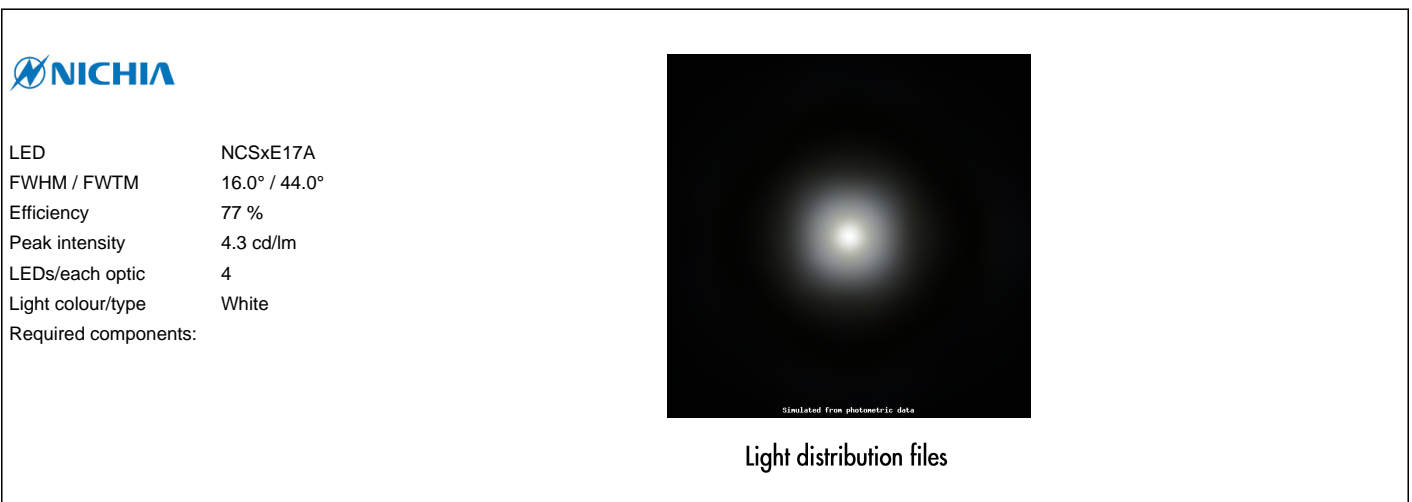
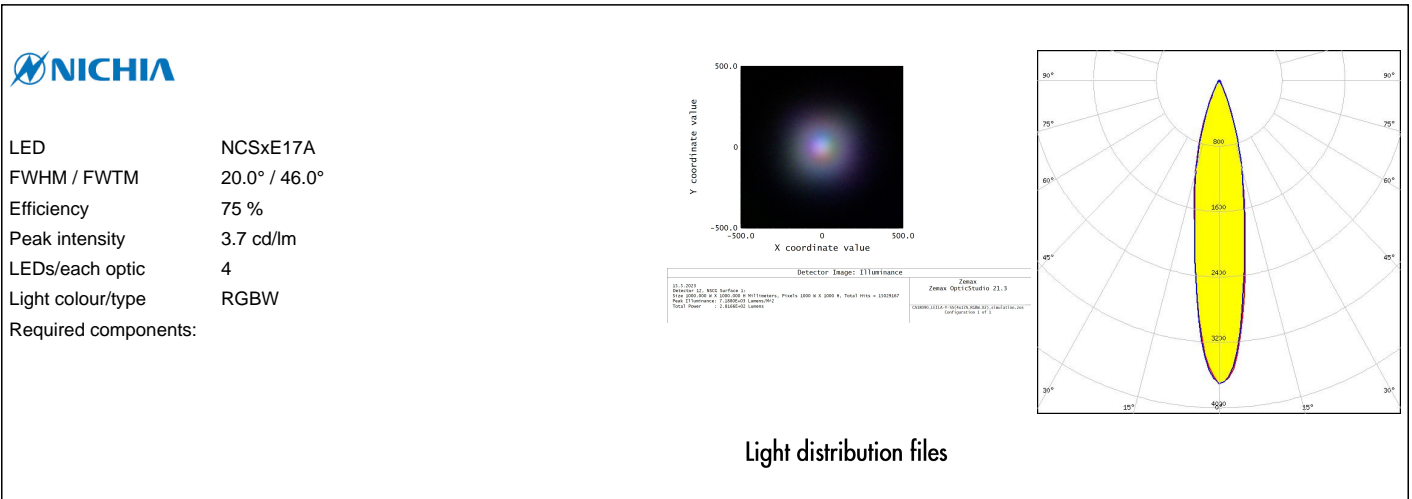


LED LUXEON TX  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 88 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### OPTICAL RESULTS (SIMULATED):



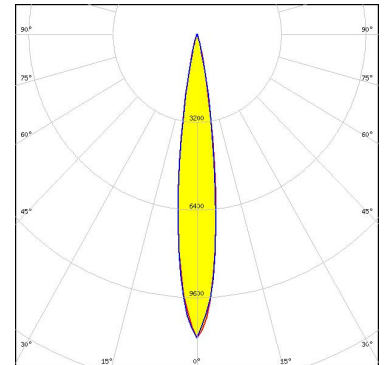
#### OPTICAL RESULTS (SIMULATED):



LED NF2x757G  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 87 %  
Peak intensity 10.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



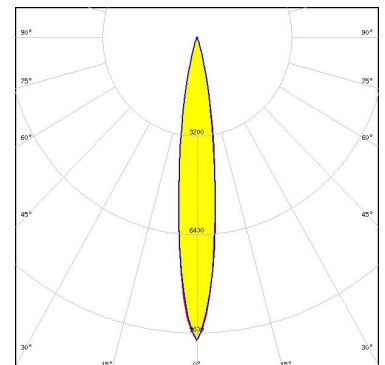
LED NVSW219F  
FWHM / FWTM 14.0° / 27.0°  
Efficiency 88 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



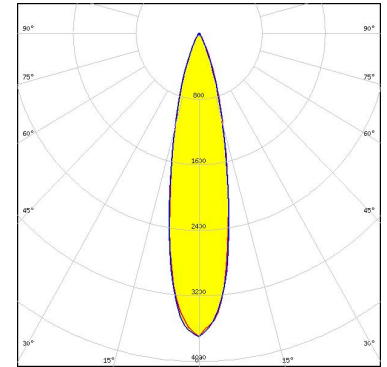
LED NVSxE21A  
FWHM / FWTM 14.0° / 30.0°  
Efficiency 84 %  
Peak intensity 9.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

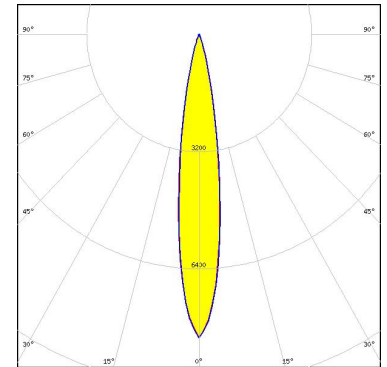
LED Duris S8  
 FWHM / FWTM 23.0° / 47.0°  
 Efficiency 80 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

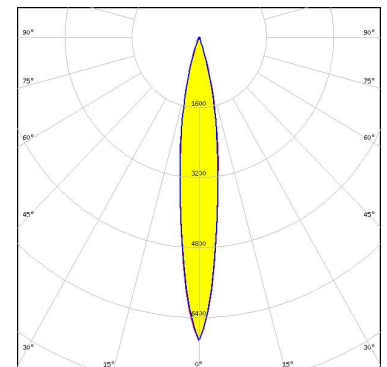
LED OSCONIQ P 3737 (3W version)  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 86 %  
 Peak intensity 8.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON PURE 1010  
 FWHM / FWTM 15.0° / 34.0°  
 Efficiency 79 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 4  
 Light colour/type White  
 Required components:

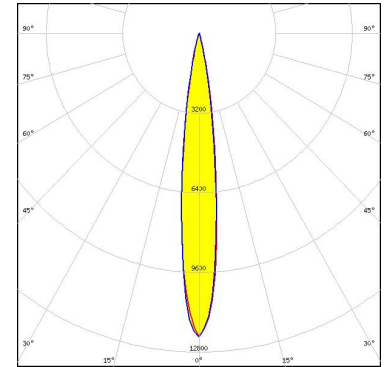


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 88 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



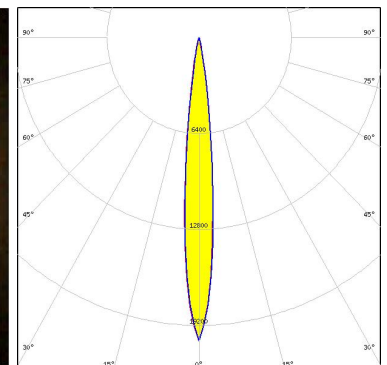
Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 10.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 20.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 11.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 20 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

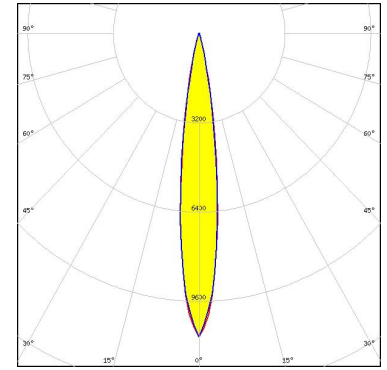


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

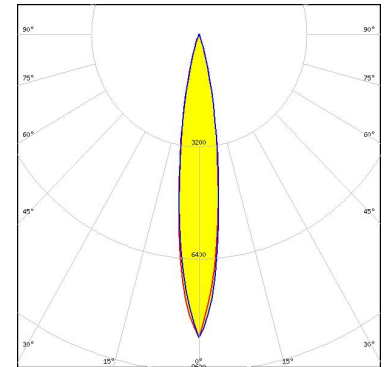
LED LH351B  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 86 %  
Peak intensity 11 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Z5M4  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 87 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)